

Message

From: Ross, Mary [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=98359CD1F66F46EC91D327E99A3C6909-ROSS, MARY]
Sent: 7/29/2015 2:06:07 AM
To: ORD-NCEA [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9fd27be854b0475e8c7da44e626886aa-ORD-NCEA]
Subject: Fw: ORD/OSA Weekly Report

Hi everyone. This is a week old, apologies for the delay. There are a few mentions of NCEA below 😊

From: Blackburn, Elizabeth
Sent: Sunday, July 19, 2015 12:07 PM
To: ORD-Mgmt-Council; ORD-IOAA-Front Office Support; ORD-Exec-Council-Directors
Subject: Fwd: ORD/OSA Weekly Report

Hello all,

Please see Tom's note to the Administrator. Have a good week!

Liz

Liz Blackburn
Chief of Staff (acting)
USEPA Office of Research and Development
202-564-2192
Cell: Personal Matters / Ex. 6
Sent from my iPhone

Begin forwarded message:

From: "Burke, Thomas" <Burke.Thomas@epa.gov>
Date: July 19, 2015 at 8:20:47 AM PDT
To: "Adm13McCarthy, Gina" <Adm13McCarthy.Gina@epa.gov>, "Meiburg, Stan" <Meiburg.Stan@epa.gov>, "Fritz, Matthew" <Fritz.Matthew@epa.gov>, "Reynolds, Thomas" <Reynolds.Thomas@epa.gov>, "Beauvais, Joel" <Beauvais.Joel@epa.gov>, "Vaught, Laura" <Vaught.Laura@epa.gov>, "Pieh, Lusen" <Pieh.Lusen@epa.gov>, "Rupp, Mark" <Rupp.Mark@epa.gov>, "Garbow, Avi" <Garbow.Avi@epa.gov>, "Bond, Brian" <Bond.Brian@epa.gov>, "Garvin, Shawn" <garvin.shawn@epa.gov>
Cc: "Kadeli, Lek" <Kadeli.Lek@epa.gov>, "Kavlock, Robert" <Kavlock.Robert@epa.gov>, "Blackburn, Elizabeth" <Blackburn.Elizabeth@epa.gov>, "Robbins, Chris" <Robbins.Chris@epa.gov>, "Smith, Kelley" <Smith.Kelley@epa.gov>, "Deener, Kathleen" <Deener.Kathleen@epa.gov>, "Hubbard, Carolyn" <Hubbard.Carolyn@epa.gov>, "Gibbons, Dayna" <Gibbons.Dayna@epa.gov>, "Maguire, Megan" <Maguire.Megan@epa.gov>
Subject: Fwd: ORD/OSA Weekly Report

Administrator,

This week I am looking forward to participating in the Conversation on Science with you, Ralph Cicerone, Jim Jones, Ken Olden, and Jennifer Orme-Zavaleta on Wednesday. This conversation will help spread the word about the leadership role of EPA science. ORD has been coordinating with OPA and the OA on the logistics.

Visit to RTP

Last week, I visited ORD's labs and saw how ORD research is tackling tough, real-world public health problems. I toured the exposure labs, and got an up-close look at research from cook stoves to tailpipe emission characteristics; better understanding ozone's health effects to decontamination research in our homeland security lab. I also got to meet folks at great interactive all hands sessions. I especially enjoyed the brown bag lunch sessions with post-docs and young scientists. The future of EPA science is in good hands.

I also enjoyed a successful risk assessment workshop with OCSPP, NIEHS and academic leaders from throughout the country. Linda Birnbaum, Jim Jones and I hosted the meeting, focused on identifying actions we can take to move the science of risk assessment forward and advance EPA's public health work.

Report on the Environment

We are now working toward releasing the ROE on July 20. We provided requested information to OMB and are working closely with OPA on the communications materials and rollout plan.

World Congress on Risk in Singapore

On July 19-23, ORD's John Vandenberg, will attend the World Congress on Risk in Singapore. He will present on emerging science developments and opportunities to apply new science in environmental health risk assessment and is offering a risk assessment training course.

Stakeholder Meeting on EPA's EnviroAtlas in Portland, Oregon

On July 22nd, ORD is hosting a live demonstration and discussion of EnviroAtlas on Portland, one of the priority communities in our Make a Visible Difference in Communities initiative. Local government representatives, planners, NGOs, and others will learn

about the EnviroAtlas, discuss its potential applications in Portland, and provide feedback on the tool.

Oklahoma Water Resources Center (OWRC) Summer 2015 Water Research Advisory Board (WRAB) meeting at the EPA-Ada facility, July 24

Board members and guests will tour the Robert S. Kerr Environmental Research Center in Ada, OK. They were invited by ORD's lab director in Ada, Richard Lowrance, who will begin serving on the board at this meeting.

Region 9 Climate Tools Café

On July 22, Region 9 and ORD will host a training and demonstration of ORD Climate Adaptation and Mitigation Tools that can be used to evaluate climate change adaption and mitigation options, including the Climate Resilience Evaluation & Awareness Tool (CREAT), EnviroAtlas, the Stormwater Calculator, the Watershed Management Optimization Support Tool (WMOST), and select web resources.

Campus-Community Partnerships for Advancing Sustainability Workshop

July 23-24, ORD, Region 9, and the OSC are sponsoring a Campus Community Partnerships Workshop for Advancing Sustainability in conjunction with the California Higher Education Sustainability Conference at San Francisco State University. The Campus Community Sustainability Partnership (CCSP) programs enable universities to provide their students with hands-on experience assisting local governments with sustainability and resiliency projects identified in the municipality's own work plans.

Technical Support to PA on Assessment of the Decline of Smallmouth Bass

ORD and Region 3 are currently providing technical support to the Pennsylvania Department of Environmental Protection (DEP) and Pennsylvania Fish & Boat Commission (FBC) on the conduct of a causal assessment using the CADDIS process to investigate the causes of declining health of smallmouth bass in the Susquehanna River.

ORD researcher leading macrobenthos survey at Ashtabula River Area of Concern (Ashtabula, OH) Starting July 16, ORD is conducting a six-week macrobenthos (bottom-dwelling aquatic plants and

animals) survey and water quality survey at the Ashtabula River Area of Concern (AOC) to assist Ohio EPA and the EPA Great Lakes National Program Office in justifying the removal of the impaired benthos Beneficial Use Impairment (BUI) at the Ashtabula River.

ORD sampling at the Ottawa River (northwestern OH)

During the week of July 26, ORD will lead a team of researchers to sample the Ottawa River in the Maumee River Area of Concern (AOC) in northwestern Ohio. The sampling is part of a Remedy Effectiveness Assessment of an environmental dredging project conducted in 2010 under the Great Lakes Legacy Act. The collaborative project involves the EPA Great Lakes National Program Office, US Geological Survey, Ohio EPA, and US Fish and Wildlife.

Last Week

ORD Signs a Collaborative Research and Development Agreement with Unilever

On July 15th, ORD signed a Collaborative Research and Development Agreement with Unilever, a global consumer products company. Unilever and ORD will select five chemicals of mutual interest to be case study chemicals. ORD will explore the potential for these chemicals to interact with people's gene functions and important biological processes.

Region 5 Recognizes ORD Scientist

Region 5's Chicago Regional Lab recognized ORD's Carolyn Acheson by designating her "Amicus Laboratorii – Friend of the Lab." The award was presented at a ceremony on July 15 in conjunction with a visit to the Region 5 lab by Stan Meiburg and Ruth Etzel.

ORD Assists Region 9 with Determination of Fate and Transport of Oil from California Spill

ORD provided support to characterize the area affected by the crude oil release from a broken pipeline on May 19, 2015, near Santa Barbara, CA.

ORD Scientist Attended National Prevention Council Meeting

ORD's Wayne Cascio, attended the National Prevention Council (NPC) Meeting on July 9. The Surgeon General's priority areas for the National Prevention Strategy and draft NPC goals include "Tobacco Free Living" and "Healthy Eating". The NPC's general consensus is a

Presidential Executive Order will be necessary to make federal campuses tobacco and e-cigarette free. The Surgeon General's office plans to promote walking and walkability within communities. This is an opportunity for EPA to highlight our efforts to increase walkability.

ORD and OW briefing to The Nature Conservancy on Green Infrastructure

On July 16 ORD and OW provided a briefing to TNC staff on current and proposed research. ORD scientist Chris Impellitteri provided an overview of ORD's GI research and OW's Chris Kloss provided an overview of EPA Office of Water efforts.

Rhode Island Department of Environmental Management visit to ORD's Atlantic Ecology Division

ORD hosted RI Department of Environmental Management Director Janet Coit and staff for a visit to our Atlantic Ecology Division (AED) in Narragansett on July 16. We discussed topics of mutual interest and shared information on ORD research and tools to help address climate change, resiliency, and effects of nutrients in the Narragansett Bay Watershed. This visit is part of ORD's outreach to connect state environmental agencies to important research being done at our laboratory facilities.

ORD Presents to FDA Scientists on the Challenges in Neurotoxicity Risk Assessment

On July 16, Andrew Kraft presented a seminar titled, "Current challenges in neurotoxicity risk assessment" to FDA scientists. His talk will be webcast from FDA's Office of Applied Research and Safety Assessment (OASRA) as the July installment of a monthly seminar series encouraging discussion of critical science issues with FDA staff from across the country.

ORD Oil Spills Research Proposal on Dispersant Effectiveness of Crude Oils at High Salinities Approved for Funding by DOI

The ORD Oil Research Program has received confirmation that the DOI Bureau of Safety and Environmental Enforcement will fund ORD's proposal, "Characterizing Dispersant Effectiveness of Crude Oils at High Salinities: Implications for Subsea Spill Preparedness." This collaborative study between ORD, Fisheries and Oceans Canada, and the NJ Institute of Technology is designed to better prepare the community for Arctic oil spills.

Presentation at NASA Forum on Citizen Science and Earth Observations

ORD's Jay Benforado made a presentation and participated in a panel discussion at an event jointly hosted by the White House US Group on Earth Observations (US GEO), the US Global Climate Change Program, and the Federal Community of Practice on Crowdsourcing Citizen Science. Organized and sponsored by NASA's Chief Scientist and the Office of the Chief Technology Officer, this meeting brought together many organizations that work on environmental monitoring – from sensors to satellites.

Region 5 Village Green RARE Project

ORD's Gayle Hagler conducted a site visit at Chicago Public School's Jane Addams Elementary School, where the solar and wind-powered Village Green bench will be installed in late summer or early fall.

ORD Collaborates with Region 7 and Kansas Dept of Health on Prescribed Burns and Ecological Human Health Impacts

On July 15 and 16, a meeting was held with ORD, the Kansas Department of Health and Environment (KDHE), and R7 to discuss ORD's multimodel framework and visualization tool set to study alternatives for the Kansas Flint Hills native tallgrass prairie range and spring burning as part of the Flint Hills Smoke Management Plan.

ORD organized NSF discussion and information session for undergraduate students in RTP

On July 16, ORD organized and led an information session for a group of students selected to participate in the NSF's *Research Experience for Undergraduates Program*.

Publications

Region 5 Regional Applied Research Effort (RARE) Project on Airborne Manganese Health Effects –Results from a Region 5/ORD RARE study on the health effects of airborne manganese (Mn) were recently published in the journal *NeuroToxicology*. Cognitive function was examined in Mn-exposed adult residents of two Ohio cities, which are each located near industrial sources that produce high levels of airborne Mn. A comprehensive screening test battery of cognitive function found subtle but significant relationships between Mn exposure and performance on working and visuospatial memory and verbal skills. These results are consistent with the preliminary

results shared with the community in 2013. This paper is the third in a series of papers on this work; two additional papers are under review.